

PRODUCT CATALOG

CMX Clean Machine

**THE BEST RAIL CLEANING SYSTEM (HO, N, O, G, S Scales)
Unconditionally Guaranteed!**

- Precision Machined Parts.
- Solid Brass Construction.
- Body Mount Kadee Couplers.
- Leak Proof Valve And Fill Port.
- Easy Fill & Spill Resistant.
- Heavy Weight Does The Job.
- Quick Change Pads.
- Both Solvent/Abrasive Options.
- Large Reservoir Reduces Refills.
- Multi-Directional (Push Or Pull).
- Controllable Dispensing Rate.
- Rated #1 by Users.



"I've been in model railroading for most of my 56 years & cleaning track has always been a pain in the @\$\$. Last week I purchased one of your CMX Clean Machines, I've tried most of the others. No question about that product. It really works very well!"
I've had the CMX track cleaner for over a year now, and there's no comparison to any other cleaner.

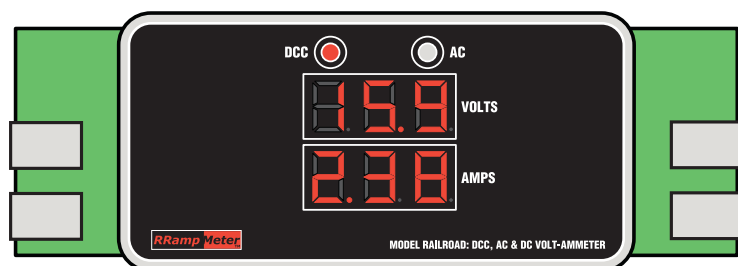
Scott, Pennsylvania

CMX HO Pads	Pads for CMX HO, 20-pack	\$7.00
CMX Skid Pad Assembly Kit HO		\$34.95
CMX N Pads	Pads for CMX N, 20-pack	\$7.00
CMX O Pads	Pads for CMX O, 20-pack	\$15.00

CMX HO	Clean Machine for HO	\$144.95
CMX N	Clean Machine for N	\$144.95
CMX O	Clean Machine for O scale	\$259.95
CMX G	Clean Machine for G scale	\$259.95
CMX S	Clean Machine for S scale	\$189.95

RRampMeter

MEASURES DCC, AC AND DC VOLTS AND AMPS



The RRampMeter designed for model railroaders by Tony's does what no other meter can do. Accurately measures DCC, AC and DC volts & amps!

- Rated at 10 Amps, costs less than DVMs that cannot measure DCC, measures true RMS Volts/Amps, +/- 2%.
- Suitable for all scales and most applications.
- Adjust. contacts permit direct track voltage measurements.
- Test or Clip Leads can also be used for other applications.
- Layout Wiring easily connects to the rear screw terminals.
- Use as a portable troubleshooting tool or as a panel meter.
- Unconditionally guaranteed for 1 year!

Version I Circuit Module without enclosure, \$59.95.

Version II Circuit Module with enclosure and Clip Leads, \$84.95.

Version III with battery assist for low voltages, \$94.95.

Version IV HP (high power 20A for O and G gauges), \$109.95.

PowerShieldX

DCC CIRCUIT BREAKERS / REVERSERS / INTELLIGENT RESTART*

Use these ultra fast acting circuit breakers/auto-reversers to create power districts or auto reverse blocks. If a track short occurs in one district the breaker will trip before Booster/Power Station shuts down. This eliminates the need for additional boosters to create districts. **PSX-AR** works as a breaker and an auto reverser for a reverse block.

Compare PowerShieldX features to the competition!

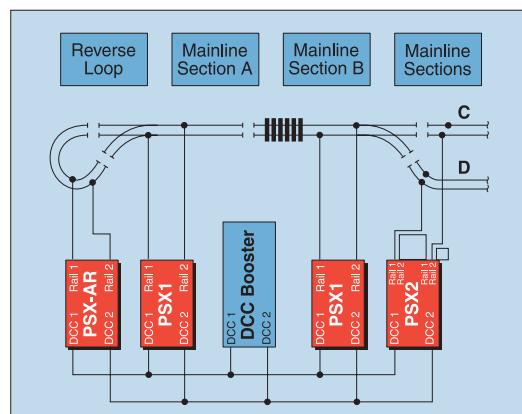
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|-----------------------------|--------------------------|------------------------------|
| • 20 Amp, All Scales | • Easy Install Design | • Rated #1 By Users! |
| • Automatic Manual Reset | • Multiple Outputs | • Restarts Broadway Locos* |
| • Works With Reverse Blocks | • Overvoltage Protection | • All Solid State, No Relays |
| • On/Off/Rev Status Lights | • Easy Program Jumpers | • No Pwr Supply Needed |

Unconditionally guaranteed for 2 years!

PSX1	DCC Circuit Breaker, One input/One output	\$37.95
PSX2	DCC Circuit Breaker, One input/Two outputs	\$69.95
PSX3	DCC Circuit Breaker, One input/Three outputs	\$103.95

PSX4	DCC Circuit Breaker, One or Two in's/Four out's	\$134.95
PSX-AR	DCC Circuit Breaker-Auto/Reverser	\$53.95

***The evolution of high starting current DCC devices such as Broadway Ltd locos and Soundtraxx decoders, has outpaced the capability of DCC systems to restart multiple units due to a track short. PowerShields regulate high restart currents to allow a restart.**



Tony's Guarantees Your Satisfaction

Sales • Support • Club Demos • Installations • Loco Work • 21 Years of Experience

All prices are subject to change without notice. Not responsible for typographical errors.

For info or to Order Please Visit TonysTrains.com or call (800) 978-3472

Digitrax



Decoders

Prd #	Scd	A	FN	Comments (all 128ss)	LIST	TTE@1	TTE@4
DZ123M0	Z/N/HO	1.5	6	PnP for Micro Trains Z scale GP35 & GP9.	34.99	29.95	28.95
DZ125	Z/N/HO	1	2	Spd stab, transp, supersonic, SoundBug comp.	24.99	20.95	20.45
DZ125IN	Z/N/HO	1	2	As above with 6 pin NEM 651 plug.	26.99	22.95	21.95
DZ125PS	Z/N/HO	1	2	As above with 8 pin plug.	26.99	22.95	21.95
DZ143	Z/N/HO	1.2	4	Spd stabilized, silent, special fx.	34.95	29.95	28.95
DZ143PS	Z/N/HO	1.2	4	Same as abv w/2" NMRA plug.	37.95	31.95	30.95
DN123K3				PNP for Kato N Scale NW2	29.99	25.49	24.59
DN135D	N/HO	1	3	Tiny Super Economical Motor & Function Decoder	18.95	16.11	15.54
DN135PS	N/HO	1	3	Same as DN135D with 8 pin DCC socket	21.95	18.66	18.00
DN143IP	N	1.5	4	PnP, Integrated 8 pin Medium Plug.	29.99	25.49	24.59
DN143K2	N	1	3	Same features as DZ123	44.95	37.95	36.86
DN163	N	1.5	6	Wired decoder.	34.99	29.95	28.69
DN163PS	N	1.5	6	With 8 pin medium plug.	37.99	32.95	31.15
DN163A0	N	1.5	6	PnP for Atlas GP40-2, U25B.	34.99	29.95	28.69
DN163A1	N	1.5	6	PnP for Atlas SD50/60/60M.	34.99	29.95	28.69
DN163A2	N	1.5	6	PnP for Atlas GP30 & other post-2006 models.	34.99	29.95	28.69
DN163A3	N	1.5	6	PnP for Atlas MP15-DC.	34.99	29.95	28.69
DN163IO	N	1.5	6	PnP for Intermountain SD40T-2.	34.99	29.95	28.69
DN1631A/B	N	1.5	6	PnP for Intermountain FT-A/B	34.99	29.95	28.69
DN1631IC	N	1.5	6	PnP for Intermountain F3AB & F7AB	34.99	29.95	28.69
DN1631J	N	1.5	6	PNP for Intermountain FP7 & FP9	34.99	29.95	28.69
DN163K0a	N	1.5	6	PnP for Kato P42, PA-1, E8.	34.99	29.95	28.69
DN163K0b	N	1.5	6	PnP for Kato F3 A&B.	34.99	29.95	28.69
DN163K0d	N	1.5	6	PnP for Kato F40PH.	35.99	30.95	29.51
DN163K1B/C	N	1.5	6	Plug'n'play for Kato AC4400, C44-9, SD70MAC, SD40-2	34.99	29.95	28.69
DN163K1D	N	1.5	6	PNP for Kato N Scale GG-1	35.99	30.95	29.54
DN163K2	N	1	6	PnP for Kato SD80/90, RS2, RSC2 N	34.99	29.95	28.69
DN163M0	N	1.5	6	PnP for Micro-Trains N FT.	34.99	29.95	28.69
DH126D	HO	1.5	2	For wired inst., 9pin plug harness.	20.00	16.25	15.75
DH126P/PS	HO	1.5	2	Wire harness with DCC plug.	23.00	18.95	18.75
DH165A0	HO	2	6	PnP for Athearn, Atlas, Intermtn.	26.99	22.95	21.95
DH165IP	HO	1	6	PnP, SoundBug socket for stealth locos.	26.99	22.95	21.95
DH165K0	HO	2	6	PnP for HO w/Kato Light Board	27.99	23.95	22.95
DH165L0	HO	2	6	PnP for P2K GP30/9, SD 60, 0-8-0.	26.99	22.95	21.95
DH165Q1	HO	1	6	SoundBug compatible	26.99	22.95	21.95
DH166D	HO	1.5	6	Premium HO Wired	32.00	27.45	26.45
DH166P	HO	1.5	6	Premium HO w 8 pin Medium Plug	35.00	29.25	28.50
DH166PS	HO	1.5	6	Premium HO w 8 pin Short Plug	35.00	29.25	28.50

DH465		4	6	Wired	58.95	48.34	
DG383AR	G	5	8	5A peak, for Aristocrat locos.	59.99	49.95	48.95
DG583AR	O/G	5	8	10A Peak.	64.99	54.95	52.95
DG583S	G	5	8	Speed Stabilized, Silent	66.99	56.95	54.95
DS44	All	6	4	Quad stall motor decoder.	39.99	31.95	29.95
DS51K1	All	?	?	Stationary decoder for Kato turnouts	14.99	11.95	11.50
DS52	All	6	2	2 Switch Units, Motors/Relays	24.95	21.95	20.95
DS61K1L/R	HO	?	?	Stat dec, t-out machine for Kato Unitrack Turnouts	32.95	26.50	25.75
DS64	All	?	?	Quad stationary decoder	59.99	50.95	49.95
DHAT	HO	1	2	Athearn p&p harness DH120/140	8.95	7.95	7.45
DHWH	HO	1	-	DH140/120 Wire Harness 5 Pack	15.00	14.00	
DHDP	HO	1	-	DH140/120 Dummy Plug 6 Pack	20.00	17.00	16.00
DHWHP	HO	1	-	NMRA Plug installed on DHWH	6.00	5.00	
TL1	All	1	-	Single function transponding decoder.	16.95	14.50	
TF4	All	4	-	Quad function transponding decoder.	20.95	17.75	
SE8C	All	-	-	Signal Dec., 16 inputs.	125.00	99.95	

SoundFX Decoders

SDH166d	Sound/Motor/Function	55.00	47.00
SDH164K1(ABC)	Sound/Motor/Function for Kato	59.95	49.16
SDN144K0A	PnP for Kato N Scale P42, E8, PA	69.95	57.36

SDN144K1E	Board replacement sound/power for N Kato SD40-2 & similar	69.95	57.36
SDN144PS	Sound/Motor/Function w/8 pin plug	49.95	40.96
SFX004	SoundBug Sound Only	49.99	42.95
SFX0416	Sound only decoder, N/narrow scale, 4 functions	59.99	49.95
SFX064D	SoundFX™ and LocoMotion® Decoder	69.95	54.95

Digitrax

Starter Sets

DCC Power Supply Required except for Zephyr: Recommended: NCE PS15 for 5 Amp and Brutus, 10 Amp. See Pg-3

Item	Details	List	TTE
Zephyr Xtra	DCS50 Command Station/Booster/Throttle, incl. PS315 Power Supply, LT1 LocoNet Tester, Manuals	199.99	179.95
Sup Emp Bldr Xtra	DT402 Super Throttle, DB150 Command Station/Booster, UP5 Universal Panel, LT1 LocoNet Tester, Easy to Read Manuals.	355.00	284.95
Super Chief Xtra	DT402 Super Throttle, DCS100 Command Station/Booster, UP5 Universal Panel, LT1 LocoNet Tester, Easy to Read Manuals.	455.00	369.95
Super Chief Xtra 8A	Super Chief Xtra with DCS200 8A Booster	475.00	379.95
Radio S. Emp Bldr XD	Duplex Radio Set with DT402D and UR92	575.00	459.95
Radio S. Chief XD	Super Chief Xtra Set with Duplex Radio, incl. DT402D and UR92	665.00	529.95
Radio S. Chief X 8AD	Radio Super Chief Xtra Set with DCS200 Booster	685.00	539.95

Throttles (Walk Around Cab Ctrl., also see Wireless)

DT402	LocoNet Full Featured Super Throttle, User-Friendly, Backlit LCD, 28 Functions	185.00	149.95
UT4	Utility Throttle 4 Dig Add. Simple to use, lg spd knob, infrared	79.95	69.95

Boosters, Command Stations, Power Regulation

Item	Details	List	TTE
DB150	5A DCC Command Station/Booster in combined unit, needs Power Supply	179.99	147.59
DB200+	8A DCC Digital Booster. Must be used w/Cmd Sta., needs Pwr Supply	199.99	163.99
DCS100	5A Adv. "Chief" Cmdn Station Booster. Read/write, needs Pwr Supply	285.00	233.70
DCS200	8A Adv. "Chief" Cmdn Station Booster. Read/write, needs Pwr Supply	305.00	250.10
PM4-2	Quad Power Management, 4 Blocks, see PowerShield on page 1	79.95	62.95
AR1	Auto-reverser, 1 Section, see PowerShield Rev on page 1	29.99	24.56
PS2012	20A Power Supply for DCC, Scale Selectable, Ammeter, Matching Design.	179.99	144.95

Wireless or Infra-Red

Item	Details	List	TTE
DT402R	Like DT402 + Simplex Radio, Works with UR91	235.00	189.95
DT402D	Like DT402 + Duplex Radio, Works with UR92	250.00	199.95
UT4D	Utility Throttle w/ Duplex radio	135.00	109.95
UT4R	Utility Throttle 4 Dig Add. Simple to use, lg spd knob, radio	129.95	99.95
UR92	Digitrax LocoNet Duplex Transceiver Panel (also supports simplex IR)	160.00	129.95
UR91	Radio Receivers (Base unit), plugs into Loco Net	149.99	119.95
UR90	Infra-Red Loco Net receiver	45.95	39.95

LocoNet

UP5	Five RJ12's & Keep Alive Plug In	16.95	15.95
LNFC	Logic Rail LocoNet Fast Clock	79.00	74.95
LNRP	LocoNet Repeater	69.99	59.99

Transponding, Signaling & Block Detection

Item	Details	List	TTE
BD4	4 Block Occupancy Detector	29.95	24.56
BDL168	16 Block Occupancy and zone power	149.99	122.99
RD2	Remote sensing diode board for BDL16	9.99	8.49
RX4	4 blocks transpond receiver for BDL16	49.95	41.95
SMBK	Signal Mast Base Kit, set of 3	14.99	12.95
TSMK	Terminal Strip Mounting Kit, for LED signal masts	14.99	12.95
SMHK	Signal Mounting Hardware Kit, 6 sig. straps, 6 spacers	11.65	9.95
SDCK	Signal Driver Cable Kit	19.99	16.95

PC Users

PR3X	Programming of sound decoders and downloading of sounds.	86.00	70.45
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Guaranteed Broadway Ltd / QSI & Tsunami Programming!

Having trouble programming your QSI equipped Broadway Ltd., Atlas or Life-Like locos? The PowerPax DCC Programming Booster makes programming a SNAP! The evolution of hi-tech DCC decoders has outpaced the programming power most DCC Systems can provide! The PowerPax safely boosts programming power and gives you hassle-free programming of BLI, QSI, Soundtraxx and multiple decoder/loco combinations. Recommended for and compatible with Digitrax, Lenz, NCE and all other DCC Systems. See **DCC Specialties, page 4 - List 59.95, Tony's 49.95.**



For info or to Order Please Visit TonysTrains.com or call (800) 978-3472

NCE Corporation



Decoders

Prd #	Scd	A	FN	Comments (all silent, 128ss, fx)	LIST	TTE@1	TTE@4
Atl-O	O	-	-	Used in Atlas Diesels with Dog Bone Board	49.95	42.46	40.96
Bach-DSL	-	-	-	Drop-in decoder for Bachmann DCC-ready Diesels	19.95	16.96	16.36
DecST	All	-	8	Decoder Tester	24.95	19.96	
N12A0	N	1	2	For Atlas 4 axle.	29.95	25.46	24.56
N12A0e	N	1	2	For Intermountain Tunnel Motor.	29.95	25.46	24.56
N12A1	N	1	2	For Atlas 6 axle.	29.95	25.46	24.56
N12A2	N	1	2	Snap-in decoder for Atlas Classic.	29.95	25.46	24.56
N12K0a	N	1	2	PnP for Kato PA1, E8 Genesis P42, white LEDs	29.95	25.46	24.56
N12SR	N/HO	1	2	Silent running.	29.95	25.46	24.56
N12SRP	N/HO	1	2	Silent running w/NMRA plug.	35.95	30.56	29.48
N14IP	N/HO	1.3	4	1.0" x 0.38" x 0.13", NMRA plug.	29.95	25.46	24.56
N14SR	N/HO	1.3	4	Same as N14IP with a wire harness.	29.95	25.46	24.56
N14SRP	N/HO	1.3	4	Same as N14SR with the NMRA harness plug.	35.95	30.56	29.48
NAVO	N	1	2	PnP for Atlas VO-1000	29.95	25.46	24.56
NIMFT-a/b	N	1	2	Silent running PnP for Intermtn. FTs	29.95	25.46	24.56
NMP				Drop in for N Scale Atlas MP15CC	29.95	25.46	24.56
Z14SR	N/HO	1.3	4	Micro integrated wired decoder.	34.95	29.71	28.66
Z14SRP	N/HO	1.3	4	Same as Z14SR with the NMRA harness plug.	39.95	33.96	32.76
D13SR	HO	1.3	3	1.5" x 0.65" x 0.13", generic w/wires	19.95	16.96	16.36
D13Pck/4	HO	1.3	3	4 Pack of D13SR	74.95	59.95	
D13Pck/10	HO	1.3	3	10 Pack of D13SR	174.95	139.95	
D13SRJ	HO	1.3	3	As above w/NMRA/JST 9pin plug.	19.95	16.96	16.36
D13SRJ/4	HO	1.3	3	4-pack.	74.95	59.95	
D13SRP	HO	1.3	3	As above w/NMRA plug.	25.95	22.06	21.28
D14SR	HO	1.3	4	Direct PnP, no wires, for most DCC locos	30.00	25.50	24.60
D15SR	HO	1.3	5	Short generic w/wires, 1.0x.65x.13	29.95	25.46	24.56
D15SRP	HO	1.3	5	As above w/NMRA 2x4 DCC plug	35.95	30.56	29.48
D18SR	HO	1.3	8	For locos with NMRA 8 pin plug, 1.5x.63	29.95	25.95	23.75
D18SR-PSC	HO	1.3	8	Same as D18SR, for Precision Scale ON30 K27.	34.95	29.95	27.50
DASR	HO	1.3	4	PnP for Atlas, Kato.	24.95	21.21	20.46
DAPack	HO	1.3	4	DASR 4 Pack	89.95	71.95	
D408SR	O/G	4	7	Silent Run, 12A peak, 16kHz, EFX, EMF	69.95	59.46	57.36
D808SR	G	8	8	Stall 30 Amps, good for USA Trains locos.	129.95	110.46	106.56
Sig-4	All	NA	-	Signal decoder for up to 4 signal heads	59.95	46.75	
Snap-It	All	NA	2	Turnout Dec For Twin Coil Switch Machines	19.95	16.96	16.36
Switch-Kat	All	NA	2	Turnout Dec For Kato Turnout Motors	24.95	21.21	20.46
Switch-It	All	NA	2	Turnout Dec for Tortoise, 2 outputs	19.95	16.96	16.36
Switch-8	All	NA	-	Stationary decoder for 8 Tortoise switch machines	59.95	47.96	

Starter Sets (DCC Power Supply Required, see below!)

Item	Details	List	TTE
DCC-TWIN	Twin Knob, adv. performance DCC entry starter set, with power supply!	159.95	126.36
PowerCab	Entry level adv. performance DCC starter set, power supply included!	199.95	155.95
Power Pro	User-friendly operation, and 5A DCC booster, LCD ProCab, 1 UTP, Manual	529.95	412.95
Power ProR	Wireless version of Power Pro	699.95	545.95
Power Pro10	Power Pro w/10A booster	649.95	506.95
Power Pro10R	Wireless version of Power Pro10	849.95	662.95

Throttles (Walk Around Cab Ctrl., also see Wireless)

Cab-06 or Cab-06 P	Intermediate cab, 4 digit LED, 29 fncts, 6 recalls, accessories, macros.	99.95	79.95
ProCab	Master Cab w/LCD, encoder, has all system functions.	159.95	124.95
ProCab(P)	Same as ProCab but w/potentiometer.	159.95	124.95
CAB04P	Intermediate Walk-around Cab, spd knob, 12 buttons	89.95	71.96
CAB04E	Like CAB04P w/encoder, yard mode and recall	119.95	99.95
P114	PowerCab Power Supply	29.95	23.96
PCP	PowerCab Power Panel	21.95	17.56
GWire ProCab	Compatible with QSI and Airwire™ products	239.95	215.95

Boosters, Command Stations, DCC Power Supplies

CS02	Advanced command station, PC ready, needs Power Supply	239.95	199.95
NEW DB5	5 Amp Booster, Includes Power Supply	179.95	141.95
NEW PB5	Single 5 Amp Power Booster, needs Power Supply	199.95	157.96
PB110	10 Amp Reversing Power Booster, needs Power Supply	269.95	215.96
NEW SB5	5 Amp "Smart Booster" includes Power Supply, 4 Operators	219.95	171.95
P515	DCC Power Supply, All 5 Amp Systems	59.95	46.76
Brutus	DCC Power Supply, All 10 Amp Systems	169.95	132.56

Components & Modules

AIU01	Auxiliary input unit. 14 inputs for block detection.	49.95	39.96
BD20	Block detector module, no load, connects to AIU-01	14.95	12.71
UTP/TTE	Duplex, RJ12, panel mt, plug'n play, Digitrax, NCE, Sys I	19.95	15.96
Mini Panel	Control Panels Without Complicated Wiring	49.95	39.96

PC Users

NCE USB	49.95	39.96
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Wireless, Duplex 900MHz Components

Cab-06R or Cab-06PR	Radio intermediate cab, 4 digit LED, 29 fncts, 6 recalls, accessories, macros.	189.95	151.95
ProCab-R	With radio upgrade installed.	249.95	194.95
CAB04P-R	Like CAB04P w/radio upgrade installed	179.95	141.95
CAB04E-R	Like CAB04E w/radio upgrade installed	199.95	169.95
RB02	Wireless base station for NCE and Sys I., 900MHz	159.95	127.96
RPT1	Repeater, requires RB02, add up to 32 repeaters	129.95	101.95
ANTHG	High gain antenna for NCE wireless systems	17.95	15.95

Lenz

Lenz Invented DCC !



Decoders

Prod. #	Scd	A	FN	Comments: (All 128ss spec fx)	TTE
Gold JST	HO	1.8	4	Assymetrical DCC, UPS, RailCom, BEMF	42.95
Gold/WH/MP	HO	1.8	4	As above with harness (WH), or NMRA plug (MP)	53.00
GoldJSTWH	HO	1.8	4	As Above with JST harness	44.95
Gold Maxi W	S/O	3	8	Assymetrical DCC, UPS, RailCom (small NMRA plug)	106.63
Gold Mini W(D)HO/N	0.5	2		Assymetrical DCC, UPS, RailCom (small NMRA plug)	65.63
Silver 21	HO/N	1	4	BEMF decoder, plugs to 21 pin socket locos.	44.27
Silver Mini W	HO/N	0.5	2	BEMF decoder, 11 x 9 x 2.8 mm	54.87
SilverDirect	HO	1	4	Built in 8 pin plug	46.87
Silver MP	HO/N	1	4	Hi-res BEMF, NMRA plug, Lenz's thinnest HO decoder	39.95
StandardMP	HO	1	3	Ultra Thin BEMF	31.00
LF101XF	N/HO	0.4	6	Function decoder.	26.95
LS100	ALL	N/A	4	Acc. dec w/feedback (4 outputs)	99.95
LS120	ALL	N/A	2	Acc. for LGB switch, weather-proof	81.00
LS150	ALL	N/A	6	Acc. for 6 independent turnouts.	69.95
LA010	ALL	N/A	N/A	LS100/110 stall motor output	18.73

Starter Sets (DCC Power Supply Required, see NCE P515)

Item	Details	TTE
Set-90	Intermd. Set, LZV1 00, LH90, user manual	442.50
Set-100	Advanced Set, LZV100, LH100, user manual	497.50

Throttles (Walk Around Cab Ctrl., also see Wireless)

LH090	NEW Engineer's Cab with Knob	162.50
LH100	Programming Cab	247.50

Boosters, Command Stations, Power Regulation

LZV100	5A Command Station / Booster, needs Power Supply	362.50
LV102	5A DCC Booster, Power Station, needs Power Supply	237.50
PowerShield X	See page 1	

Assymetrical DCC and RailCom

Power1	Power Storage Module used with Lenz Gold	57.73
BM-1	Generates and assymetrical DCC signal	16.27
BM-2	Block stopping module	67.50
BM-3	Block and signal module	80.00
LRC120	Railcom Detector	84.27
LRC100	Railcom Transmitter 5/pk	97.50

Components

DINp	Express Net Fascia Panel	19.95
LA152	Express Net Fascia Panel, 2 DIN & 1 RJ12 with 2' cord	31.27
LB101	Dual Block Occupancy Detector	28.77
LK200	Reverse Loop Module	91.00
LR101	Feedback Encoder	84.87

PC Users

Digital+	Digital Plus Decoder Programmer	223.77
LI-USB	LI-USB / Ethernet Interface (23151)	219.95

I just wanted to say 'thank you' for the excellent service you have provided me. Timely responses, more than friendly service, and immediate availability make your business one of the best DCC shops around, if not simply the best. My support and future product requirements will continue to be sent your way. Thanks again.
- Louis "George" G., California

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All prices are subject to change without notice. Not responsible for typographical errors.

DCC Specialties



Item	Details	List	TTE
Highest Rated by Users!			
OnGuard! OG-AR	DCC AutoReverser/Circuit Breaker, 4 A, solid state, works w/all sys.	39.95	31.95
OnGuard! OG-CB	DCC Circuit Breaker, 4A, solid state, works with all systems	29.95	24.95
Hare NG I.	Revolutionary stat. decoder, plugs directly to Tortoise! See pg. 6.	29.95	24.95
Hare NG II.	Incl. Feedback and Switch Position. See pg. 6.	34.95	29.95
Wabbit	Dual output stationary decoder, based on Hare NG. See pg. 6.	31.95	27.95
Wabbit-FB	Wabbit with feedback reporting capability. See pg. 6.	41.95	35.95
Jack Wabbit	Quad output stationary decoder, based on Wabbit. Due soon!	TBD	TBD
Block Watcher	CPU based block detector, analyzes current feed to the rails	31.95	27.95
Tortoise Buddy" Baby"	8 Screw Terms No Self Power Direct Connect	6.49	5.85
Tortoise Buddy "Junior"	You Solder Self Powered No Screw Terminals	6.99	5.99
Tortoise Buddy"Senior"	12 Screw Terms Self Powered Direct Connect	11.99	10.79
Tortoise Buddy"Wiz-Kid"	Auto Throw 12 Screw Terms Direct Connect Self Powered	14.99	14.39

PowerShield X Intelligent Circuit Breakers & Auto Reversers

PSX1	PowerShield X Intelligent Circuit Breaker, 1 Block, 0-20A	44.95	37.95
PSX2	PowerShield X Intelligent Circuit Breaker, 2 Blocks, 0-20A	84.95	69.95
PSX3	PowerShield X Intelligent Circuit Breaker, 3 Blocks, 0-20A	124.95	103.95
PSX4	PowerShield X Intelligent Circuit Breaker, 4 Blocks, 0-20A	164.95	134.95
PSX-AR	Power Shield Intelligent Circuit Breaker/Reverser	64.95	53.95
PSX-AC	AC Solid State Power District Circuit Breaker for Lionel and MTH	54.95	49.95
PSX-ARFB	DCC Solid State AR-CB with Stall Stat Dec and Network Feedback	69.95	59.95
PSX-ARSC	DCC Solid State AR-CB w/ Snap Stat Dec, Automates Rev. Loop T'outs	73.95	62.95



1 CHOICE, WORLDWIDE....RATED #1 BY USERS!

PSX1 An intelligent circuit breaker by DCC Specialties.



ESU - LokSound

LokSound Select Micro	99.99	81.99
Possibly the world's smallest 4 output sound and DCC decoder. 0.98" x .417"; DCC & DC "Dual Mode", 8 channels, 4 lighting outputs, .75A motor controller, 8-pin NEM 652 plug included		
LokSound Select 6AUX	109.99	89.10
4 output function LokSound Select decoder, 1.18" x 0.61", DCC & DC "Dual Mode", 8 channel sound, 4 lighting outputs, 1.1A motor controller, use 4, 8, or 16 Ohm speakers		
ECoS DCC System	899.90	719.93
Dual-Throttle console, 4 A, Power Supply Included, Touch-Screen control for Speed, Direction, Accessories and Programming, Operates DCC, Marklin, Motorola, and Selectrix decoders, Can integrate other DCC Systems for operation with other DCC Cabs, Ethernet connection		
LokSound V 4.0 DCC Sound Decoder	139.99	111.99
4 amplified outputs, max. 250mA load for each output, total current for all function outputs ca. 500mA, outputs short circuit protected, free individual function mapping, 2 logic outputs, serial protocol for C-Sinus and light control, 8 individual sound channels, high power amplification with about 1.8 Watts, soundfiles in the internal flash memory modifiable, Modes for Steam-, Dieselhydraulic-, Dieselelectric-, Electric locomotives, battery railcars, hybrid locomotives, 32 Mbit sound memory (up to 276 seconds), see the web site for more.		
LokSound V 4.0 Micro DCC sound decoder for N and TT scale	139.99	111.99
LokPilot non-sound decoder	40.90	33.12
LokSound Programmer Set	199.99	163.99
Use programmer to download and update sound files. Incl. Programmer, power pack, serial cable, USB adapter, software CD ROM, user manual.		



Tortoise Buddy

Connects Directly to any Track Voltage to Power Tortoise Directly!

See Hare, Wabbit, Tortoise Combo Pricing and Save!

Cab Bus Modules

UTP/TTE	Duplex, RJ12, Panel Mt., PnP, Digitrax, NCE, SystemOne, also use as 4-way connector	14.50
MPPx	Assembled Cables - MPP5, 5' 3.00; MPP10, 10' 3.95; MPP15, 15' 4.80; MPP20, 20' 5.65 ...etc...	
MCC6PP	10-ft 6 Conductor Coil Cord for Digitrax with phone plugs	14.95
MCC	Coiled Cord 6 Cond, 10 feet	10.00
MFF	FEM to FEM Connector 6 Cond.	4.95 3.95
MSP2	2 way Splitter Plug to 2 FEM 6 Cond.	5.95 4.95
MPG	Crimp On Plug, RJ12	0.30
MCP	Crimp Tool 4/6 Cond.	17.95
UP5	Genuine Digitrax cab bus module	16.95 15.95
DIN	Genuine Lenz DIN panel	19.95 19.95

DCC Power Supplies

All DCC systems require a basic supply that converts 120V AC to the lower voltage required by DCC. Tony's offers preassembled, inexpensive, fully insulated power supplies, designed specifically for DCC, with AC grounded wall plugs, input and output circuit breakers, ready to run the DCC system of your choice.

Item	Details	List	TTE
NCEP515	15 V AC, 5A for 5A DCC systems: Digitrax 5A Super Chief, Super Empire Builder, DB150, Lenz Set90/100, LV101/102, NCE PowerPro 5A, PB105 see DCC Specialties, page 4	59.95	46.76
NCE Brutus	18 V AC, 10A for NCE 10A and other DCC system and PB110	169.95	132.56
DTX PS-14	0.3A 12V DC Power Supply for Digitrax UP3, UR90, UR91, PM4.	12.97	9.97
TTE-XNCE	12 V DC, 1A; auxilliary power for NCE/Sys I, DCC throttle networks.	19.95	14.95

New Rail Models



NRM16	Universal Throttle Pocket by New Rail Models	11.95	9.59
NRM16-3	Universal Throttle Pocket by New Rail Models, 3-pack	29.95	23.59
NRM16-10	Universal Throttle Pocket by New Rail Models, 10-pack	79.95	63.95
NRM18	Blue Point Turnout Controller	12.95	10.95
NRM18-10	Blue Point Turnout Controller, 10-pack	99.95	79.95
NRM40021	Folding Drink and Cup Holder	12.95	10.95
NRM40021-5	Folding Drink and Cup Holder, 5-pack	49.95	39.95

Pricom Design



Layout Background Sounds

Dream Player	Dream Player without SD Card	79.95	74.95
Dream Switcher	4 output speaker driver for the Dream Player	29.00	26.10
DCC Pocket Tester	DCC Pocket Tester, 24" Alligator Clips, Serial Cable, manual	179.00	161.10

RR-CirKits

Special Products Related to Digitrax

LocoBuffer USB	Connect computer to LocoNet®; USB 2.0 to LocoNet® interface with type B connector; Buffered inputs and outputs allow use with all USB supported OS; 1-1/2" x 3" x 3/4"; Internal LocoNet® terminator. Allows a LocoBuffer-USB to add LocoNet® device compatibility to other systems; compatible with JMRI, RR&Co, and WinLok; power from USB & LocoNet® Rail Sync lines; incl. 3' USB A-B and 14' LocoNet® cables	List 69.95	TTE 58.95
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Many Other Products not Listed

Team Digital



DBD 22	DCC block detector. Senses current in two isolated sections of track.	21.95	18.66
BlocD8	Eight block occupancy detector for DCC.	98.95	84.11
SC8	Servo controller, 8 inputs for local control and 8 routes and a serial bus.	54.95	46.15
SIC 24	Signal and indicator controller.	54.95	46.71
SMD 82	Stationary decoder. Eight output DCC accessory decoder.	89.95	76.46
SRC 16	Switch and route controller. Control switch machines via LocoNet, 8 outputs.	56.95	48.40

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TCS



Item	Description	List	TTE	4x	10x
tcsa4x	A4X	33.12	29.15	28.15	27.49
tcsa6x	TCS A6X	38.47	33.85	32.93	31.93
tcsald4	TCS ALD4	42.75	37.62	36.34	35.48
tcsasd4	TCS ASD4	42.75	37.62	36.34	35.48
tcsn	TCS CN 1278	42.75	37.62	36.34	35.48
tcsnpg	TCS CN-GP	43.82	38.56	37.25	36.37
tcsdp2-ll	TCS DP2-LL	32.05	28.20	27.24	26.60
tcsdp2x	TCS DP2X	32.05	28.20	27.24	26.60
tcsdp5	TCS DP5	37.40	32.91	31.79	31.04
tcsdp5x	TCS DP5X	37.40	32.91	31.79	31.04
tcsfl2	FL-2	20.87	18.37	17.74	17.32
tcsfl4	FL4	23.18	20.40	19.70	19.24
tcsk0d8a	K0D8-A	42.75	37.62	36.64	35.48
tcsk0d8b	K0D8B	42.75	37.62	36.34	35.48
tcsk0d8c	K0D8C	42.75	37.62	36.34	35.48
tcsk0d8d	K0D8D	42.75	37.62	36.34	35.48
tcsk0d8e	K0D8E	42.75	37.62	36.34	35.48
tcsk1d4	K1D4	42.75	37.62	36.34	35.48
tcsk1d4nc	K1D4NC	42.75	37.62	36.34	35.48
tcsk2d4	K2D4	42.75	37.62	36.34	35.48
tcsk3d3	K3D3	42.75	37.62	36.34	35.48
tcska1	KA1 Keep Alive 2 to 5 sec	27.95	23.47	22.63	22.08
tcska1c	KA1-C Keep Alive/plug 2 to 5	32.95	27.67	26.68	26.03
tcska2	KA2 Keep Alive 3 to 15 sec	26.95	22.63	21.82	21.29
tcska2c	KA2-C Keep Alive /plug 6 to 15	31.95	26.83	25.87	25.24
tcskam4	KAM4w/ Keep Alive 3 to 6	52.95	44.47	42.88	41.83
tcskat12	KAT12 2 to 5 sec	49.95	41.95	40.45	39.46
tcskat14	KAT14 2 to 5 sec	52.95	44.47	42.88	41.83
tcskat16	KAT16 2 to 5 sec	56.95	47.83	46.12	44.99
tcskat22	KAT22 T2 w/ Keep Alive 6 to 15	49.95	41.95	40.45	39.46
tcskat24	KAT24 T4 w/ Keep Alive 6 to 15	52.95	44.47	42.88	41.83
tcskat26	KAT26 T6 w/ Keep Alive 6 to 15	56.95	47.83	46.12	44.99
tcsll1d4	TCS L1D4	42.75	37.62	36.34	35.48
tcsll8	TCS LL8	42.75	37.62	36.34	35.48
tcsmlp	M1P-MH	42.75	37.62	36.34	35.48
tcsm4	M4	44.75	39.38	38.04	37.14
tcsm4pmh	M4P-MH	50.08	44.07	42.57	41.57
tcsmc2	MC2	32.05	28.20	27.24	26.60
tcsmc2pmh	MC2P-MH	39.53	34.79	33.60	32.81
tcsst1	T1	26.74	23.53	22.73	22.19
tcsst1p-mh	T1 w/NMRA harness	34.12	30.03	29.00	28.32
tcsst4x	T4X	28.84	25.38	24.51	23.94
tcsz2	Z2	42.75	37.62	36.34	35.48

New TCS Steam Sound and Power Decoders:

WOW-Steam-101, (1516) NO Keep Alive	124.95	97.98
WOW-Steam-101-KA, (1517) With Keep Alive	139.95	111.95



Tony's Trains,
Celebrating over 22 years supporting
and selling more DCC products than Anyone!



UP Turbine, Now Available with STEREO Sound from QSI!



This is just a sampling of our products.
Please see our website for many more products.

Peco (Made in England, stock not always available.)

More PECO in stock, please call!

P-CAT	Peco Catalogue 9950	7.65	6.62
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Code 83 HO

Item	List	TTE
Cd83#5 RH	31.99	25.73
Cd83#5 LH	31.99	25.73
Cd83#6 RH	31.99	26.51
Cd83#6 LH	31.99	26.51
Cd83#6Xing	32.99	28.07
Cd83#7 Curved LH	36.99	31.19
Cd83#7 Curved RH	36.99	31.19
Cd83#8 RH	36.99	31.19
Cd83#8 LH	36.99	31.19

Code 100 HO

SL-86		25.99	22.61
SL-87		25.99	23.39
SL-88		24.99	21.05
SL-89		24.99	23.39
SL-90		71.99	57.71
SL-91		19.99	17.15
SL-92		19.99	17.15
SL-93		17.99	15.59
SL-94		20.99	17.93
SL-95		21.99	17.93
SL-96		21.99	17.93
SL-97		19.99	17.15
SL-98		22.99	19.49
SL-99		56.99	45.25

36" Flexible Track

SL-100B	Box of 25	157.00	120.85
SL-102B	Box of 25	162.75	132.60

PECO HO Accessories

SL-10		4.25	3.64
SL-11		4.25	3.32
SL-110		4.42	3.51
SL-111		4.42	3.51
SL-112		9.00	7.11
PL-10E		12.17	9.75
PL-12		3.67	2.99
PL-13		6.00	4.81
PL-15		15.50	12.95
SL-8310	Code 83 Rail Joiners	4.17	3.45
SL-8311	Code 83 Insul Rail Joiners	4.17	3.45

Ulrich Models

DT-01	Decoder Tester	49.95	39.95
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MRC



Systems and Power Supplies

Item	Description	List	TTE
mrc1200	2.0ADC Sound Controler 2.0	129.98	77.99
mrc1201	6A DC/Blackbox Power-Pack	289.98	173.99
mrc1203	Wireless Handheld for Tech 6	99.98	59.99
mrc1420	ProdigyExpres 2	229.98	137.99
mrc1422	Prodigy Explorer	139.98	TBD
mrc1409	0001409 Prodigy Express Cab	99.98	66.99
mrc1410	MRC Prod Adv Wireless (04/07)	629.98	377.99
mrc1411	MRC Prodigy Adv. Wireless Walk	209.98	125.99
mrc1412	MRC Prod Adv Wireless Upgrade	329.98	197.99
mrc1414	MRC Prodigy Advanced 2	439.98	263.99
mrc1415	Prodigy Advanced 2 Elite w Back lit LCD	134.98	81.99
mrc1501	Prod Adv. Ext. Plate	39.98	23.99
mrc1502	Prod Adv. Ext. Plate w/PS	55.98	33.59
mrc1516	Cable PC Interface all PA2's	56.98	54.13
mrc1521	8 Amp Booster,Includes PowerSupply	209.98	145.95
mrc1528	3.5 Amp Booster,Includes PowerSupply	179.98	99.95



CMX O Clean Machine
Details on Page 1

Sound Decoders See Speakers, Page 8

mrc1620	MRC Universal EMD 645	67.98	47.59
mrc1621	MRC Universal EMD 710	67.98	47.59
mrc1622	MRC Universal ALCO 244	67.98	47.59
mrc1623	MRC Universal ALCO 539T	67.98	47.59
mrc1624	MRC Universal EMD 567	67.98	47.59
mrc1636	MRC N Diesel PnP Atlas	99.98	69.99
mrc1645	MRC N Scale Snd D	99.98	66.99
mrc1660	MRC N Diesel Sn PnP LL Cliner	99.98	69.99
mrc1711	MRC Universal EMD 645E 16 bit	69.98	48.99
mrc1712	MRC Universal EMD 645 16 bit	69.98	48.99
mrc1713	MRC Universal EMD 710 16 bit	69.98	48.99
mrc1714	MRC Universal ALCO 244 16 bit	69.98	48.99
mrc1715	MRC Universal ALCO 539T 16 bit	69.98	48.99
mrc1716	MRC Universal EMD 567 16 bit	69.98	48.99
mrc1800	Universal HO Alco/SD60/SD70/F	99.98	69.99
mrc1802	HO Kato SD40-2 Drop In	99.98	69.99
mrc1804	HO Athearn MP15 Drop In	99.98	69.99
mrc1806	N Kato SD40-2 Drop In	99.98	69.99
mrc1808	N Kato SD80 Drop In	99.98	69.99
mrc1810	N Kato F40PH Drop In	99.98	69.99
mrc1811	N Atlas GE U23 Drop In	99.98	69.99
mrc1812	N Atlas Alco/SD60/SD70/F	99.98	69.99
mrc1818	G/O Diesel Sound Dec.	99.98	69.99
mrc1832	MRC N ATH FP45 Drop In	99.98	69.99
mrc1833	MRC N IMR FP7 Drop In	99.98	69.99
mrc1834	HO Direct Connect w/8 pin	28.98	20.29
mrc1908	HO Sounder-Steam 16 bit	53.98	37.79
mrc1909	HO Sounder-Diesel 16 bit	53.98	37.79
mrc1910	HO Sounder-Universal 16 bit	89.98	69.99
mrc1911	HO Sounder-Min Steam 16 bit	99.98	69.99
mrc1917	HO Atlas S2/4 Sound	110.98	77.69
mrc1952	MRC N Kato GG1	109.98	76.99
mrc1956	N Universal Steam 16 Bit	109.98	76.99

Many Others Not Listed Here



The Amaizing DCC Specialties "HARE", PNP Stationary Decoder!

Details on Page 4

See Hare, Wabbit, Tortoise Combo Pricing and Save!

Decoder Installation Services:

We have 15 years experience in installing decoders/receivers/sound systems in all shapes and sizes of locomotives from "N" scale to "G" scale. We also perform complete loco maintenance, repower/re-gear and repair services. We guarantee all of our work for 60 days. Please use the following table to determine installation costs.

- Special loco/decoder/sound installation combos available.
- Factory supplied lights used where possible, if not, directional lights will be used
- Add \$10 minimum for directional lighting and each function output. Add \$3/pin for plugs.
- All sound installations include appropriate speakers furnished at no charge.
- Smoke units installed starting at \$49.00.
- Speakers, lightbulbs and smoke units are not guaranteed.
- For brass models add \$39 for decoder installation and \$59 for sound (minimum).
- Lower prices for plug n'play type decoder installations - PLEASE CALL. Note : Prices may vary.
- See table below for installation costs, decoder costs are not included.

Installation Labor Cost

Locotype	Installation Cost plus Decoder furnished by Tony's	Installation Cost with Decoder You Send	DCC Sound Decoder furnished by Tony's	DCC Sound Decoder You Send
Diesels HO, S, O, G	\$59.95	\$64.95	\$119.95	\$129.95
Steam/Loco HO, S, O, G	\$59.95	\$64.95	\$119.95	\$129.95
N Diesels	\$69.95	\$74.95	N/A	N/A
N Tender	\$69.95	\$74.95	\$139.95	\$149.95
N Diesel Dummies	\$69.95	\$74.95	\$139.95	\$149.95

DCC Accessories

DCC Accessories

PSX1	PowerShield X Intelligent Circuit Breaker, 1 Block, 0-20A	\$37.95
PSX2	PowerShield X Intelligent Circuit Breaker, 2 Blocks, 0-20A	\$69.95
PSX3	PowerShield X Intelligent Circuit Breaker, 3 Blocks, 0-20A	\$103.95
PSX4	PowerShield X Intelligent Circuit Breaker, 4 Blocks, 0-20A	\$134.95
PSX-AR	Power Shield Intelligent Circuit Breaker/Reverser	\$53.95
Stik Tak	Adhesive Material, Non Hardening, 1 Blister Pack	5.00
Kapton Tape	Super Adhesive Tape. Thin, Heat Resistant, Insulating	14.49

Wires, Connectors and Shrink Tubing

30 Ga Ultra Flex	Miniature Wire, Stranded, Black, 10 ft, Easily strips.	5.95	5.45
28 Ga Flat	Flat, 2 cond. Stranded, Miniature Wire, black. 25 ft. Easily strips.	6.95	6.45
TTE-CONN	Miniature Gold Connectors, Excellent Engagement; Easy Solder, Ideal For Ho Loco Interconnects, For HO MUs, 1A Per Pin, Priced Per Pin	0.60	0.80
NMRA M/F	NMRA Compatible Connector Set, 2x4 Pins, Male and Female Included	6.00	6.00
Shrink Tubing	Semi-Flexible, All Sizes to 1" Diameter, Priced Per Foot		2.00
TORT CONN	Special Plug-ON Tortoise Connector	3.50	2.95

Miniature Lamps and LEDs (Miniatronics)

12-310-10	3mm Dia Yelogle, 10-pack	17.95	16.69
12-510-10	5mm Dia Yelogle, 10-pack	17.95	16.69
18-001-10	1.5V 1.2mm Diameter, 15mA, 10-pack	11.95	11.11
18-012-10	12V 2.4mm Diameter, 50 mA, 10-pack	11.95	11.11
18-014-10	14V 2.4mm Diameter, 30 mA, 10-pack	12.75	11.86
18-016-10	16V 2.4mm Diameter, 30 mA, 10-pack	12.75	11.86
18-712-10	12V 1.7mm Diameter, 30 mA, 10-pack	15.95	14.83
50-001-02	Micro Mini Connectors, 2 Pin - 12" Flexible Leads	12.95	12.11
50-003-01	Micro Mini Connectors, 3 Pin - 8" Flexible Leads	11.95	11.18

For info or to Order Please Visit TonysTrains.com or call (800) 978-3472

Soundtraxx

SOUNDTRAXX™
DSD

Tsunami (DCC Compatible)

All Tsunamis and QSI sound decoders require the PowerPax Programming Track Booster to program on the programming track. See Page 2

Caution: The Micro-Tsunamis may overheat and shut-down when used in some HO applications.

Steam - Micro See Speakers, Page 8

Item	Details	List	TTE
826001	The Light Steam version	139.95	114.76
826002	The Medium Steam version	139.95	114.76
826003	The Heavy Steam version	139.95	114.76
826004	The Denver & Rio Grande K-Class version	139.95	114.76
826005	The Southern Pacific Cab Forward 4-8-8-2 version	139.95	114.76
826016	The Denver & Rio Grande C-Class version	139.95	114.76
826020	The Light Logging version	139.95	114.76

Steam - DSD See Speakers, Page 8

826101	The Light Steam version (P.N. 826101)	119.95	98.36
826102	The Medium Steam version (P.N.8261 02)	119.95	98.36
826103	The Heavy Steam version (P.N.8261 03)	119.95	98.36
826104	The Denver & Rio Grande K-Class version (P.N.8261 04)	119.95	98.36
826105	The Southern Pacific Cab Forward 4-8-8-2 version (P.N.8261 05)	119.95	98.36
826116	The Denver & Rio Grande C-Class version (P.N.8261 16)	119.95	98.36
826120	The Light Logging version (P.N.8261 20)	119.95	98.36
826121	Southern Railroads	119.95	98.36

Diesel - Micro See Speakers, Page 8

827001	Tsunami Diesel EMD 1st Gen		139.95	114.76
827002	EMD 645	54.90y\$39.95y14.95	139.95	114.76
827003	EMD 710	323.70y\$229.95y93.75	139.95	114.76
827004	Tsunami Diesel ALCo 244	640.40y\$429.95y210.45	139.95	114.76
827008	FM		139.95	114.76
827010	Tsunami Galloping Goose		139.95	114.76
827011	Alco 539		139.95	114.76
827012	Alco 539 Turbo		139.95	114.76
827014	GE-Cummins		139.95	114.76
827015	Micro Tsunami for UP Gas Turbine - Contains 16 Air Horns and sounds		139.95	114.76
827018	Micro Tsunami for Dual EMD 567 (E Units) - Contains 16 Air Horns and sounds		139.95	114.76

Diesel - DSD See Speakers, Page 8

827101	Tsunami Diesel EMD 1st Gen	119.00	97.58
827102	Tsunami Diesel EMD 2nd Gen	119.00	97.58
827103	Tsunami Diesel EMD 3rd Gen	119.00	97.58
827104	Tsunami Diesel ALCo 244	119.00	97.58
827105	Tsunami Diesel ALCo 251	119.00	97.58
827106	Tsunami Diesel ALCo 215 16 Cyl.	119.00	97.58
827107	Tsunami Diesel GE	119.00	97.58
827108	Tsunami Diesel Fairbanks Morse	119.00	97.58
827109	Tsunami Diesel EMD 2nd Gen Non-Turbo	119.00	97.58
827110	Galloping Goose	119.00	97.58
827111	Baldwin VO	119.00	97.58
827112	Baldwin 608NA	119.00	97.58
827113	Baldwin 608A	119.00	97.58
827114	Gas Turbine	119.00	97.58
827117	Tsunami for GE FDL-16 Modern- contain 16 air horns and sounds	119.00	97.58
827118	Tsunami for Dual EMD 567 (E Units)- contain 16 air horns and sounds	119.00	97.58
827119	Tsunami for EMD 567D Turbocharged - contain 16 air horns and sounds	119.00	97.58

Diesel-AT See Speakers, Page 8

828037	PNP Tsunami for Atlas with ALCO 251C - contain 16 airhorns and sounds	99.95	81.96
828038	PNP Tsunami for Atlas with GE FDL-16 Modern - contain 16 airhorns and sounds	99.95	81.96
828039	PNP Tsunami for Atlas with EMD 567D Turbocharged - contain 16 airhorns and sounds	99.95	81.96
828040	Tsunami Diesel Atlas Style EMD 1st Gen	99.95	81.96
828041	Tsunami Diesel Atlas Style EMD 2nd Gen	99.95	81.96
828042	Tsunami Diesel Atlas Style EMD 3rd Gen	99.95	81.96
828043	Tsunami Diesel Atlas Style ALCo 244	99.95	81.96
828044	Tsunami Diesel Atlas Style ALCo 251	99.95	81.96
828045	Tsunami Diesel Atlas Style ALCo 251 V-1 6	99.95	81.96
828046	Tsunami Diesel Atlas Style GE	99.95	81.96
828047	Tsunami Diesel Atlas Style Fairbanks Morse	99.95	81.96
828048	Tsunami Diesel Atlas Style EMD 2nd Gen Non-Turbo	99.95	81.96
828049	Alco 539 Turbo	99.95	81.96

Diesel-BW

See Speakers, Page 8

828020	EMD 567	99.95	81.96
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828023	Baldwin 608A	99.95	81.96
828025	Alco 251	99.95	81.96
828026	GE FDL 16	99.95	81.96

Diesel-GN: Athearn Genesis HO See Speakers, Page 8

828050	Tsunami Diesel for Athearn Genesis Style EMD 567	99.95	81.96
828051	Tsunami Diesel for Athearn Genesis Style EMD 645	99.95	81.96
828052	Tsunami Diesel for Athearn Genesis Style EMD 710	99.95	81.96
828056	Tsunami Diesel for Athearn Genesis Style GE FDL-16	99.95	81.96
828053	PNP Tsunami for Athearn with EMD 710 G3C-T2 (SD70 ACe) - cont's 16 airh. & snds	99.95	81.96
828057	PNP Tsunami for Athearn with GE FDL-16 Modern - contains 16 airhorns & sounds	99.95	81.96

Diesel KT-1000: KATO HO See Speakers, Page 8

828060	PNP Tsunami for Kato HO SD70 - contains 16 airhorns and sounds	119.90	97.58
828062	PNP Tsunami for Kato HO GP38-2 - contains 16 airhorns and sounds	119.90	97.58
828063	PNP Tsunami for Kato HOSD45 - contains 16 airhorns and sounds	119.90	97.58
828064	PNP Tsunami for Kato HOF40-PH- contain 16 airhorns and sounds	119.90	97.58
828065	PNP Tsunami for Kato HO RS-2 - contains 16 airhorns and sounds	119.90	97.58
828066	PNP Tsunami for Kato HOC44-9W - contains 16 airhorns and sounds	119.90	97.58
828067	PNP Tsunami for Kato HO GP35 - contain 16 airhorns and sounds	119.90	97.58

Circuitron Tortoise

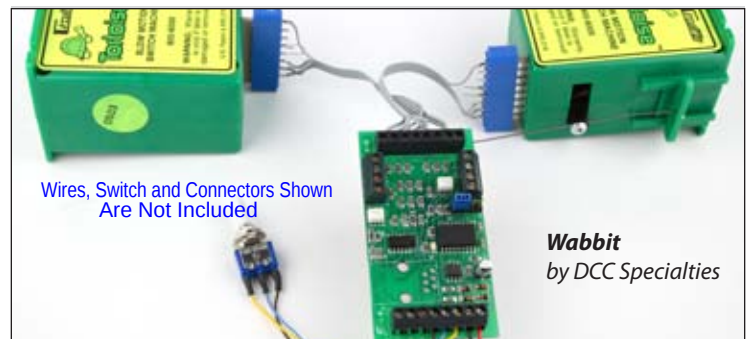
Item	Details	List	TTE
CIR 800-6000	Tortoise™ Switch Machine	21.95	17.95
CIR 800-6006	Tortoise™ Switch Machine, 6-pack	126.00	94.95
CIR 800-6012	Tortoise™ Switch Machine, 12-pack	245.00	169.95
CIR 800-6100	Tortoise™ Mount	10.95	9.86
CIR 800-8100	Remote Signal Activator	12.95	11.66
CIR 800-8101	Xtra Cable & Act'r. for 8100	6.95	6.26
TTE-TORT-CONN	Card Edge Connector	3.50	2.95

Hare/Wabbit Combos- Save\$!

Hare

Plugs Directly on to Tortoise™. All Power Routing is now controlled by a user selectable dip switch. Version II provides Feedback and Switch Position reporting for LocoNet, ExpressNet and CabBus. Version II has all the updated features of Version I.

Item	Details	List	TTX	Combo	Save
Hare™ V I.	Plugs directly to Tortoise™	29.95	24.95	NA	5.00
Tortoise/Hare V I. Combos	1-pack	54.90		39.95	14.95
	6-pack	323.70		229.95	93.75
	12-pack	640.40		429.95	210.45
Hare™ V II, w/Feedback	Plugs directly to Tortoise™	34.95	29.95	NA	5.00
Tortoise/Hare V II. Combos	1-pack	56.90		44.95	11.95
	6-pack	335.70		259.95	75.75
	12-pack	664.40		474.95	189.45



Wabbit

Dual output DCC stationary decoder based on Hare. Requires Tort-Conn connectors. Wabbit-FB features feedback reporting to LocoNet, ExpressNet or CabBus.

Item	Details	List	TTX	Combo	Save
Wabbit™	Dual output DCC Stat. Dec	31.95	27.95	NA	4.00
Wabbit™-FB w/Feedback	Dual output DCC w. Feedback	41.95	35.95	NA	6.00
Tortoise/Wabbit Combos	2-pack	75.85		59.95	15.90
	6-pack	221.85		164.95	56.90
	12-pack	436.70		299.95	136.75
Tortoise/Wabbit-FB Combos	2-pack	85.85		69.95	15.90
	6-pack	251.85		189.95	61.90
	12-pack	496.73		344.95	151.75

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QSI Solutions DC/DCC Sound

US Patent, RE38,660

The QSI Titan Series.... You Can Have Your Cake and Eat It Too!

Due to the Titan's gigantic memory, 64 Mega-bits, 8x more than the competition, there are volumes of sound files stored that you can use to customize each loco ... if you wish. For example, let's say you have the Small Steam Decoder, it comes ready to run as the Small Steam sound with numerous Small Steam whistle, chuff bell and other options. But you changed your mind and you actually want a Large Steam Decoder? With the Titans, you are good to go, and here is why. In the vast Quantum Titan Series Sound Set ID's memory, selectable by CV, there are hundreds of other sound options stored to change your decoder to a Medium or Heavy Steam decoder. And that's not all ... You can also insert custom sound files or cut and paste many other available options using the Quantum Programmer to make any Titan any other prototypical configurations. No other sound decoder can match this performance.

Prototype Locomotive	Type	Sound #
Alco Master File	1100	200
Baldwin File	1100	300
EMD Master File	1100	400
FM Master File	1100	500
GE Master File	1100	600
GE U 50	1100	650
Non US Diesel	1100	700
RDC	1112	720
Electric	2100	730
Gas Turbine	5100	760
Small Steam	3100	801
Medium Steam	3100	802
Large Steam	3100	803
Articulated	4100	900

HO/S Products: Stereo Sound, Analog (DC) and DCC Sound

Item	List	TTE
QSI Titan-A, Atlas Format	129.95	103.95
QSI Titan-U, Universal Format	129.95	103.95
QSI Titan-U/W, Wired no JST Connectors	139.95	119.95

G Scale Products, Stereo Sound, Analog (DC) and DCC Sound

Aristocraft PnP Sound/Power Dec: 6 A	209.95	199.95
Aristocraft PnP Sound/Power Dec: 10 A	229.95	218.95
Bachmann PnP Sound/Power Dec: 6 A, K27, Climax, 2-6-6-2, 2-8-0	209.95	199.95
Magnum: G/O Generic Sound/Power Decoder: 6A	209.95	199.95
Magnum: G/O Generic Sound/Power Decoder: 10A	229.95	218.95
Reed Switch for G Scale Manual Reset	6.95	5.95
GWire Receiver for Wireless DCC Throttles	134.95	114.71
NCE GWire ProCab(R), Wireless DCC Throttle	239.95	215.95
Miniature Cooling Fan, 1.25 in X 1.25 in, Recommended for all G Scale Decoders.	9.95	7.95
Power 3 SuperCap for Dirty Track Ops, Decoder Controlled Charging	77.50	49.95

Related Products

QSI Motor Circuit Simulator	19.95	16.95
QSI Programmer/Downloader	104.99	89.24
SuperCap Kit for DC (Analog) Use	24.95	19.95
Quantum Engineer DC (Analog) Use, 3 A	59.95	50.96
Quantum Engineer Booster 40 A, (Analog) Use	189.95	154.95
Chip Extractor for Upgrade Chip	9.95	7.95



QSI Titan A



QSI Titan U



Speakers & Enclosures

**Tony's Offers the Best Speakers and Enclosures
Specifically Tested, Selected and Designed for Model Railroading!**

TDS Series Round: Low Profile

Description	List	1x	4x	10x
0.50" Dia Speaker (13mm)	9.95	7.95	6.95	5.95
0.62" Dia Speaker (16mm)	12.95	9.95	8.95	7.95
0.75" Dia Speaker (20mm)	9.95	7.95	6.95	5.95
1.00" Dia Speaker (26mm)	9.95	7.95	6.95	5.95
1.10" Dia Speaker (28mm)	9.95	7.95	6.95	5.95
1.20" Dia Speaker (30mm)	9.95	7.95	6.95	5.95
1.25" Dia Speaker (32mm) QSI	9.95	7.95	6.95	5.95

TDS Series Oval: Medium Profile

Description		List	1x	4x	10x	
Micro Oval Speaker (New)	14 X20 mm	Currently Not Available	12.95	9.95	8.95	7.95
Mini Oval Speaker	14 X24 mm		12.95	9.95	8.95	7.95
Small Oval Speaker	16 X35 mm		9.95	7.95	6.95	5.95
Med Oval Speaker	20 X35 mm		9.95	7.95	6.95	5.95
Large Oval Speaker	30 X40 mm		12.95	9.95	8.95	7.95

High Base Series: Higher Profile

Description	List	1x	4x	10x
High Bass 0.78"D x 0.37"H Speaker New	9.95	7.95	6.95	5.95
High Bass 0.90"D x 0.39"H Speaker New	9.95	7.95	6.95	5.95
High Bass 1.06"D x 0.56"H Speaker	9.95	7.95	6.95	5.95
High Bass 1.10"D x 0.44"H Speaker	9.95	7.95	6.95	5.95
High Bass 1.22"D x 0.62"H Speaker	9.95	7.95	6.95	5.95
High Bass 1.57"D x 0.57"H Speaker	14.95	11.36	10.31	9.11
High Bass 1.77"D x 0.81"H Speaker	14.95	11.36	10.31	9.11
High Bass 2.00"D x 0.94"H Speaker	12.95	9.95	8.95	7.95
High Perf 2.25"D x 1.1"H Speaker	12.95	9.95	8.95	7.95
High Perf 2.50"D x 1.2"H Speaker	12.95	9.95	8.95	7.95
High Perf 3.00"D x 1.7"H Speaker	14.95	11.95	10.95	9.95
High Perf 3.50"D x 1.7"H Speaker	14.95	11.95	10.95	9.95
High Perf 4.00"D x 1.9"H Speaker	14.95	11.95	10.95	9.95

Enclosures: Engineering Plastic (Delrin)

Description	List	1x	4x
TDS Enclosure 0.50" (Includes Spacer)	8.95	4.95	4.50
TDS Enclosure 0.62" (Includes Spacer)	8.95	4.95	4.50
TDS Enclosure 0.75" (Includes Spacer)	8.95	4.95	4.50
TDS Enclosure 1.00" (Includes Spacer)	8.95	4.95	4.50
TDS Enclosure 1.10" (Includes Spacer)	8.95	4.95	4.50
TDS Enclosure 1.20" (Includes Spacer)	8.95	4.95	4.50
TDS Enclosure 1.25" (Includes Spacer)	11.95	7.95	6.95
TDS Enclosure Micro Oval	11.95	6.95	6.50
TDS Enclosure Mini Oval	11.95	6.95	6.50
TDS Enclosure Small Oval	11.95	6.95	6.50
TDS Enclosure Med Oval	11.95	6.95	6.50
TDS Enclosure Large Oval	11.95	6.95	6.50
TDS Enclosure HB 0.78 Dia	11.95	6.95	6.50
TDS Enclosure HB 0.90 Dia	11.95	6.95	6.50
TDS Enclosure HB 1.06 Dia	11.95	6.95	6.50
TDS Enclosure HB 1.22 Dia	11.95	7.95	6.95
TDS Enclosure HB 1.10 Sq			



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